

transceiver module,--.

On page 4, at line 11, insert -- Detailed Description of the Invention--.

In The Abstract

Please amend the abstract as follows:

A fibre optic transceiver in which the optical components, interface, management functionality and management interface are all integrated on a single module, capable of being plugged into and removed from the telecommunication's parent system includes a housing having disposed therein a transmitter and a receiver. The housing further includes a pair of rails disposed on opposite sides of the housing to enable the module to be plugged into a suitably configured board. The module is designed primarily for use in 10Gbit serial optical systems, but is equally applicable for use in WDM applications, as well as at other speeds and wavelength.

In The Claims

Please amend the claims as follows:

1. (Amended) An optical transceiver module comprising:

a housing having disposed therein a transmitter and a receiver, wherein said housing further comprises a pair of rails disposed on opposite sides of said housing, said rails having a plurality of spring-like fingers arranged to enable said module to be removably inserted into a suitably configured board.
2. (Amended) A module as claimed in Claim 1, wherein electrical connection means are disposed at a back end of said module.
3. (Amended) A module as claimed in claim 1, wherein said housing includes a plurality of fins disposed thereon and arranged to facilitate temperature control of said module.
4. (Amended) A module as claimed in claim 1, wherein said module includes a bezel disposed at a front end of said module, said bezel having a pair of arms each extending from diagonally opposite corners of said bezel.

5. (Amended) A module as claimed in claim 1, wherein said housing comprises an upper half and a lower half sandwiched together, and an electrically conductive gasket disposed there between to facilitate electrical connection between said upper and lower halves.

6. (Amended) An optical transceiver system comprising:

an optical transceiver module including a housing having disposed therein a transmitter and a receiver, wherein said housing further includes a pair of rails disposed on opposite sides of said housing, said rails having a plurality of spring-like fingers arranged to enable said module to be removably inserted into a suitably configured board,

wherein said system further comprises a chassis having said suitably configured board disposed therein, and chassis electrical connector means arranged to receive said module electrical connector means.

7. (Amended) A system as claimed in Claim 6, wherein said suitably configured board is disposed within said chassis on a plurality of mounting means so as to enable air to pass both above and below said module.

8. (Amended) A system as claimed in claim 6, wherein said system further comprises shield means disposed substantially around said module and said system electrical connectors so as to provide electrical connection from said module to said suitably configured board.

9. (Amended) A system as claimed in Claim 8, wherein said shield means includes a plurality of resilient fingers arranged to exert pressure on said housing so as to improve electrical connection between said housing and said shield means.

10. (Amended) A system as claimed in claim 6, wherein a layer of electrically conductive material is disposed on said suitably configured board in an area substantially surrounding said module, so as to further improve electrical connection between said module and said chassis.

11. (Amended) A system as claimed in Claim 10, wherein said layer of

electrically conductive material is comprised of gold.

12. (Amended) A system as claimed in claim 7, wherein said module, said chassis and said suitably configured board are electrically grounded.

13. (Amended) An optical telecommunications network comprising:
an optical transceiver system having:

an optical transceiver module including a housing having disposed therein a transmitter and a receiver, wherein said housing further includes a pair of rails disposed on opposite sides of said housing, said rails having a plurality of spring-like fingers arranged to enable said module to be removably inserted into a suitably configured board,

wherein said system further comprises a chassis having said suitably configured board disposed therein, and chassis electrical connector means arranged to receive said module electrical connector means.